

U. S. DEPARTMENT OF AGRICULTURE

BUREAU OF PLANT INDUSTRY

FIELD NOTES

FORAGE CROP INVESTIGATIONS

FIELD NOTES.

INSTRUCTIONS.

In case of a series of row or plat tests it is desirable to have all the constant conditions recorded for future reference. This can be done on the blank pages in the front of the book for all points not covered by the topic headings. In case several sets of experiments are recorded in a single book the conditions governing each may be given by filling in the outlines provided. (See pp. 7-11.) The blank pages may be used for any additional data which seem desirable, such as the high, low, and mean temperatures, rainfall, and date of the last killing frost in the spring and of the first killing frost in the fall. At the back of the book are blank pages for convenience in making field calculations and temporary notations. Row numbers should be listed in the order that they occur in the field. Records should be made in rate per cent wherever possible and in such manner that the better the variety or strain the higher the percentage recorded. Rules given under "Explanation of headings and abbreviations used in taking field notes in forage-crop investigations" should be followed, in order that the notes on any given crop may be uniform for all the stations.

EXPLANATION OF HEADINGS AND ABBREVIATIONS USED IN TAKING FIELD NOTES IN FORAGE-CROP INVESTIGATIONS.

SIZE OF PLAT.—Stated in fractions of an acre, as $\frac{1}{5}$, $\frac{1}{10}$, etc., or, if nursery rows, length of the row in feet.

RATE OF SEEDING.—Pounds per acre.

STAND.—Given in percentages or number of plants in the row.

DATE.—Given in figures, as 9-15 (September 15).

UNIFORMITY.—Given in percentages.

VIGOR.—Strength or abundance of growth: *p*=poor; *f*=fair; *g*=good; *ex*=excellent.

CONDITION.—If the crop is biennial or perennial, give percentages showing what portion has survived the winter.

FOLIAGE COLOR.—Indicate the shade of green as follows: *g*=green; *l g*=light green; *d g*=dark green; *y g*=yellowish green; *g g*=grayish green; *p g*=purplish green. The superlative degree of any of these colors may be indicated by placing *v* before the color abbreviations, as follows: *v l g*=very light green.

HABIT OF GROWTH.—Described by the following terms: *e*=erect; *s e*=suberect; *d*=decumbent (prostrate, tip ascending); *p*=procumbent (trailing); *v*=vining; *b*=bushy.

STEMS PER PLANT.—Average number of stems produced from one seed, as 7-8.

MEASUREMENTS.—Given in inches unless otherwise indicated.

DISEASE RESISTANCE.—Give the percentage of noninfection; best determined by estimating the percentage of infection and subtracting this from 100.

DROUGHT RESISTANCE.—Indicate the comparative vigor of plants under conditions of drought, as follows: *p*=poor; *f*=fair; *g*=good; *ex*=excellent.

LODGING.—Described as *none*, *little*, *medium*, *much*.

SHATTERING.—Described as *none*, *little*, *medium*, *much*.

QUALITY.—Indicated as follows: *p*=poor; *f*=fair; *g*=good; *ex*=excellent.

ABBREVIATIONS.

GENERAL.—*v*=very; *med*=medium; *p*=poor; *g*=good; *ex*=excellent (indicates an unusually high degree, seldom occurring); *l*=little; *m*=much; *o*=none or nothing; *lg*=long; *s*=short; *sm*=small; *lrg*=large; *ab*=abundant; *few*=few; *cs*=coarse; *sl*=slender.

COLOR.—*v*=violet; *i*=indigo; *b*=blue; *g*=green; *y*=yellow; *o*=orange; *r*=red; *pur*=purple; *pk*=pink; *l*=light (used before a color); *d*=dark (used before a color).

SHAPE.—*ov*=oval; *rd*=round; *obl*=oblong; *lin*=linear; *obo*=obovate; *cor*=cordate; *cyl*=cylindrical; *elip*=elliptical.

Test of _____, 19

Object _____

Location _____

Kind of soil _____

Character of field _____

Previous crop _____

Preparation of seed bed _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Seeding method _____

Test of _____, 19

Object _____

Location _____

Kind of soil _____

Character of field _____

Previous crop _____

Preparation of seed bed _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Seeding method _____

Test of _____, 19

Object _____

Location _____

Kind of soil _____

Character of field _____

Previous crop _____

Preparation of seed bed _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Seeding method _____

Test of _____, 19

Object _____

Location _____

Kind of soil _____

Character of field _____

Previous crop _____

Preparation of seed bed _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Seeding method _____

Test of _____, 19____

Object_____

Location_____

Kind of soil _____

Character of field_____

Previous crop_____

Preparation of seed bed_____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Seeding method_____

Test of _____, 19____

Object_____

Location_____

Kind of soil _____

Character of field_____

Previous crop_____

Preparation of seed bed_____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Seeding method_____

----- *Test of* -----, 19-----

Object-----

Location-----

Kind of soil-----

Character of field-----

Previous crop-----

Preparation of seed bed-----

1. -----

2. -----

3. -----

4. -----

5. -----

6. -----

Seeding method-----

----- *Test of* -----, 19-----

Object-----

Location-----

Kind of soil-----

Character of field-----

Previous crop-----

Preparation of seed bed-----

1. -----

2. -----

3. -----

4. -----

5. -----

6. -----

Seeding method-----

----- *Test of* -----, 19-----

Object-----

Location-----

Kind of soil-----

Character of field-----

Previous crop-----

Preparation of seed bed-----

1.-----

2.-----

3.-----

4.-----

5.-----

6.-----

Seeding method-----

----- *Test of* -----, 19-----

Object-----

Location-----

Kind of soil-----

Character of field-----

Previous crop-----

Preparation of seed bed-----

1.-----

2.-----

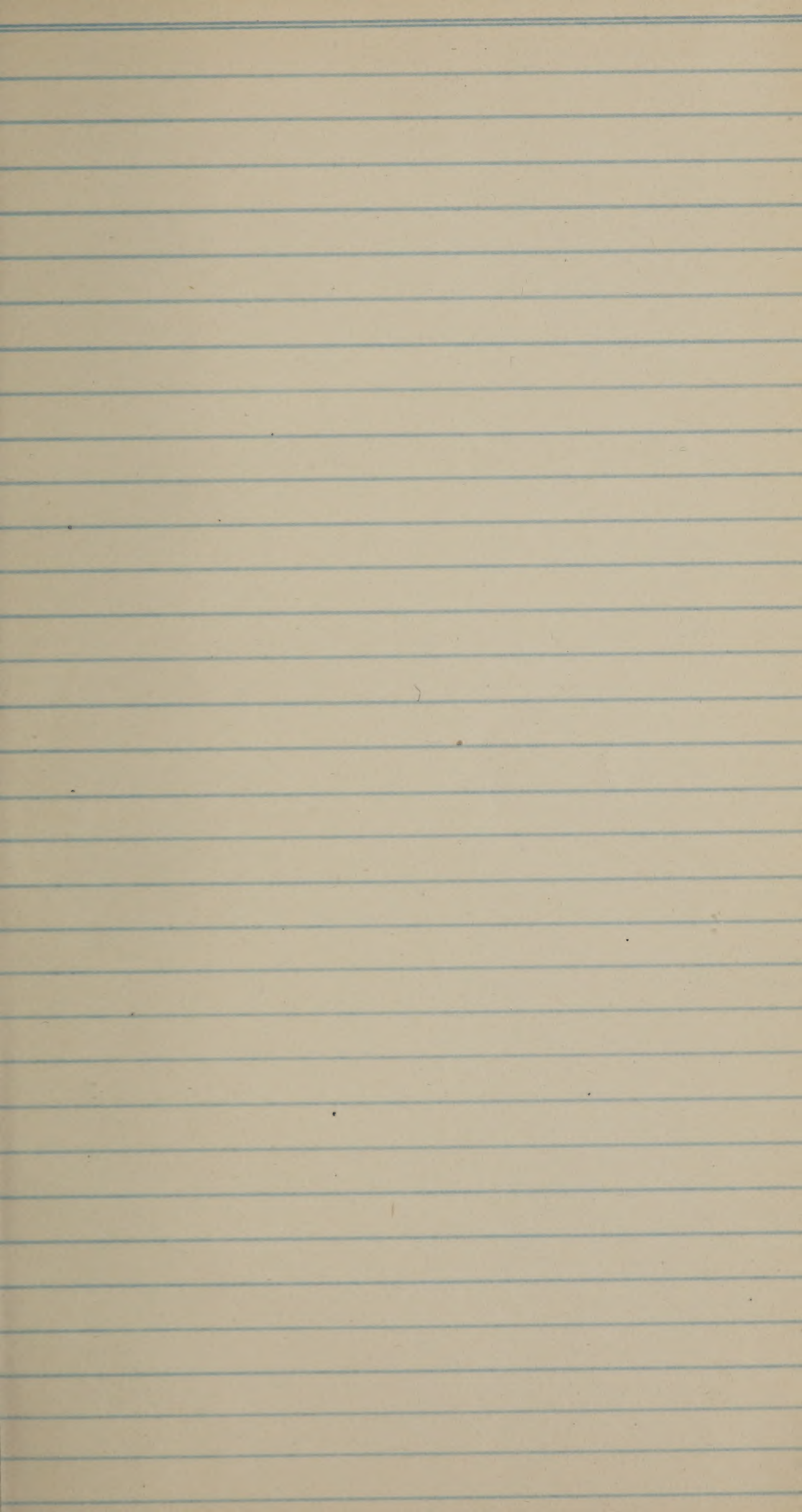
3.-----

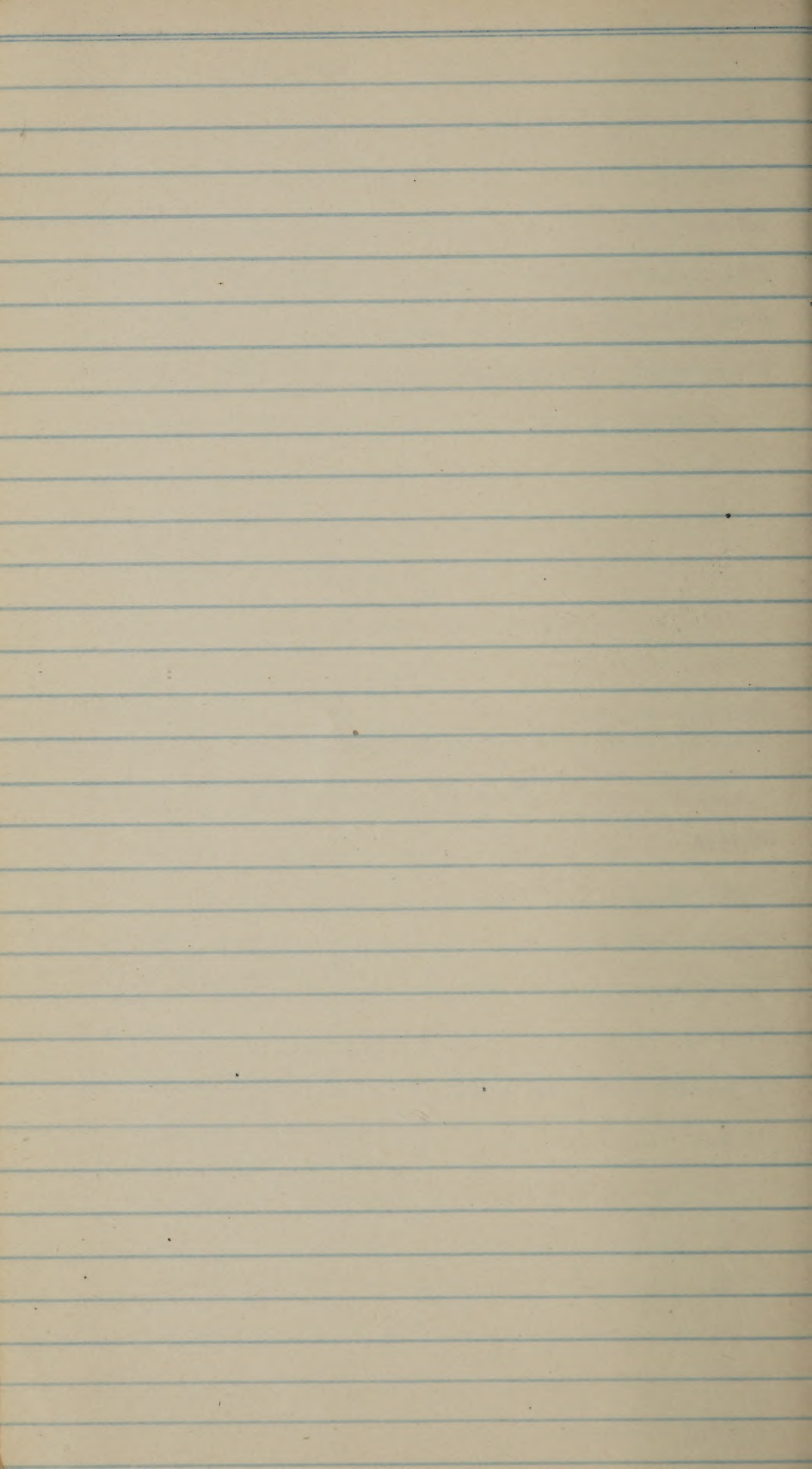
4.-----

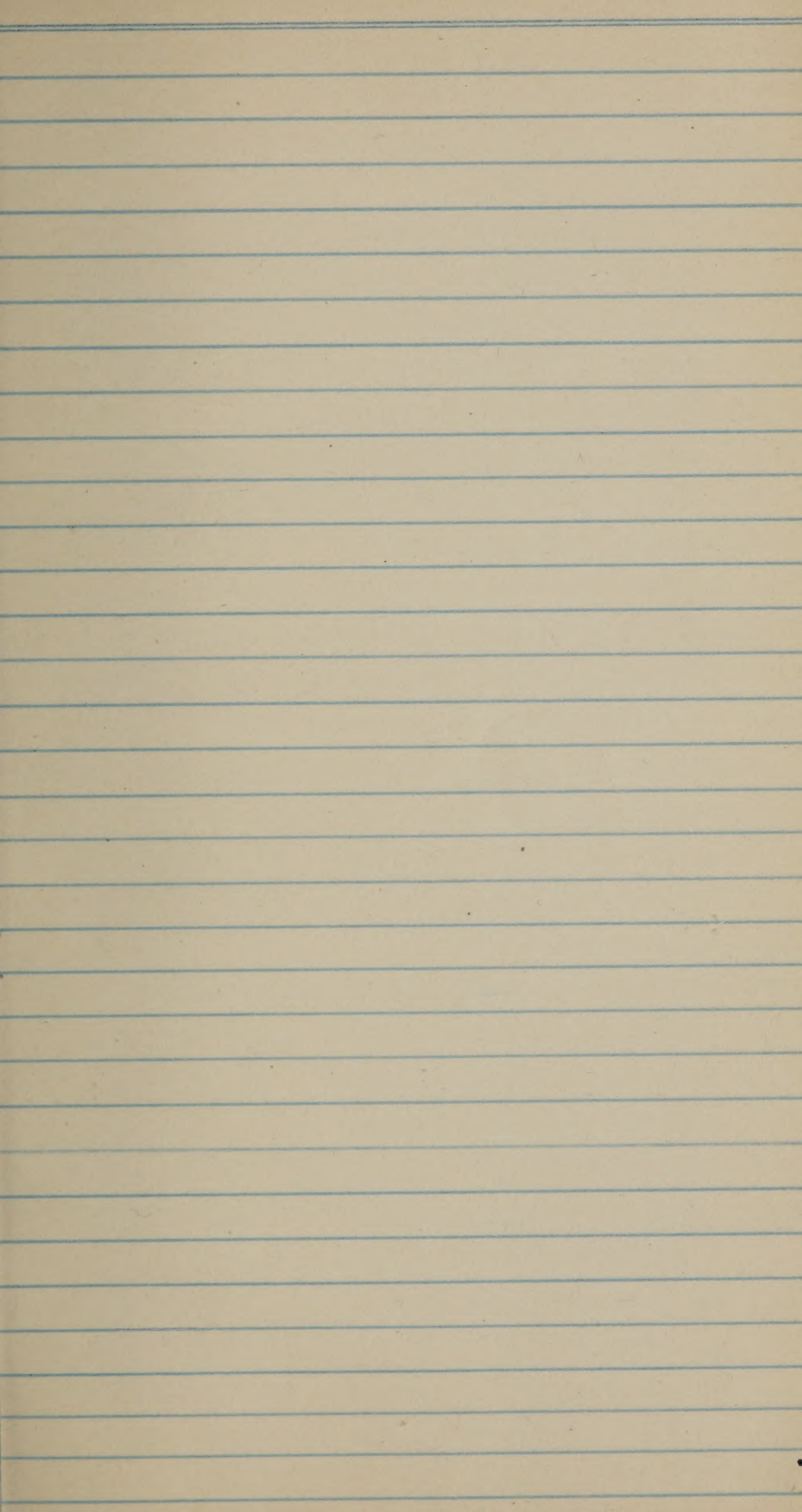
5.-----

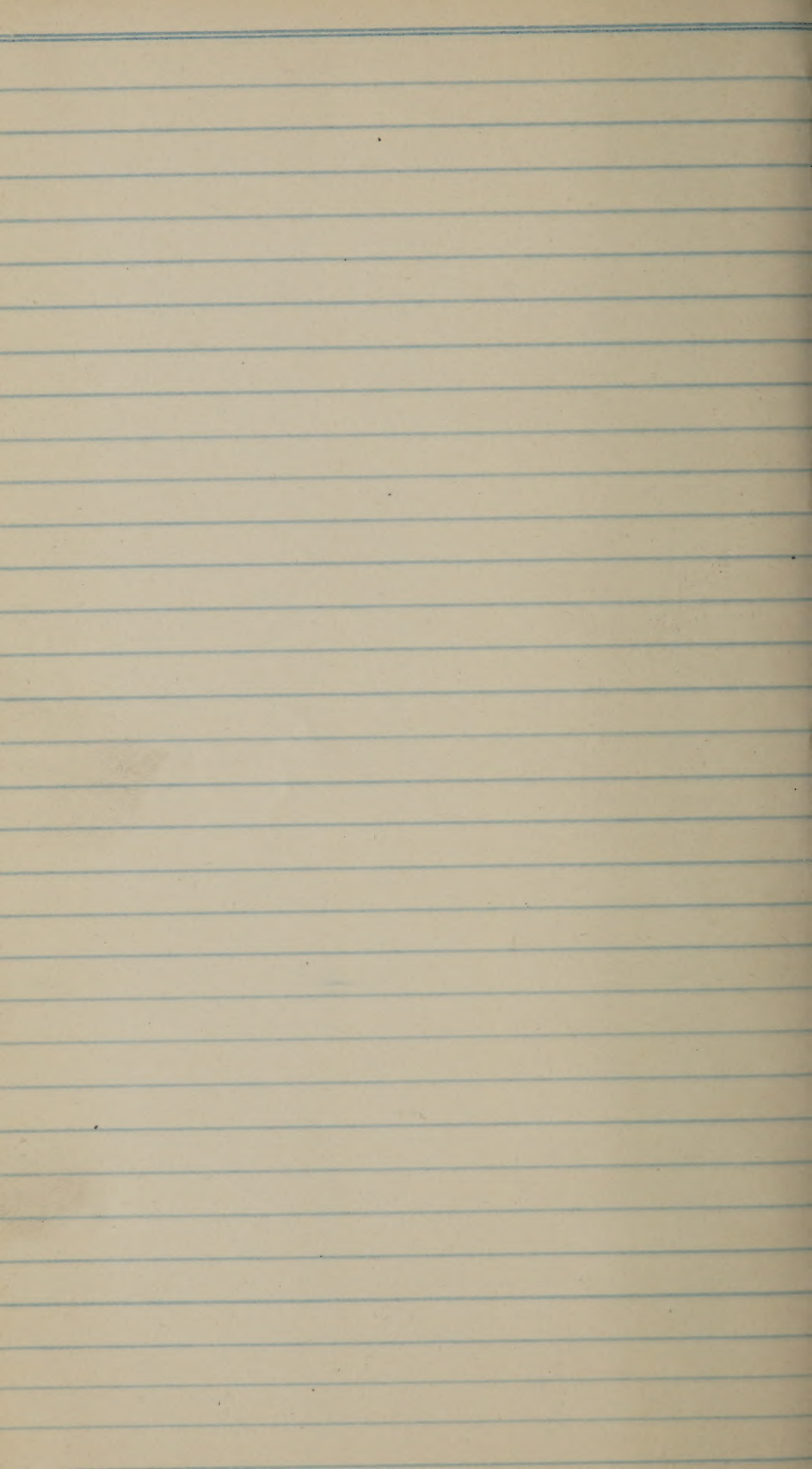
6.-----

Seeding method-----









No.	Crop	Date	Plant or Seed
3728	Soy bean	1909	Plant
3729	"	"	"
3730	"	"	"
3731	"	"	"
3732	"	"	"
3733	"	"	"
3734	"	"	"
3735	"	"	"
3736	"	"	"
3737	"	"	"
3738	"	"	"
3739	"	"	"
3740	"	"	"
3741	"	"	"
3742	"	"	"
3743	"	"	"
3744	"	"	"
3745	"	"	"
3746	"	"	"
3747	"	"	"

Color	Source	
O. Y.	Seeded from	22411-A
O. Y.	" "	22411-A
Sooty Bl.	" "	22411-A
O. with Y.	" "	22411-A
O. Y.	" "	22411-A
Br.	" "	22411-A
S. Y.	" "	19184-K
Gr.	" "	19184-K
Gr.	" "	17255-A
Gr.	" "	17255-A
Gr.	" "	17255-A
Br.	" "	17257-A-7
Br.	" "	17257-A-7
S. Y.	" "	19984 (08)
Gr.	" "	21080
O. Y.	" "	21080
S. Y.	" "	21999
S. Y.	" "	21999
Bl. saddle S. Y.	" "	21999
Bl. saddle S. Y.	" "	21999

No.	Crop	Date	Plant or Seed
3748	Soybean	1909	plant
3749	"	"	"
3750	"	"	"
3751	"	"	"
3752	"	"	"
3753	"	"	"
3754	"	"	"
3755	"	"	"
3756	"	"	"
3757	"	"	"
3758	"	"	"
3759	"	"	"
3760	"	"	"
3761	"	"	"
3762	"	"	"
3763	"	"	"
3764	"	"	"
3765	"	"	"
3766	"	"	"
3767	"	"	"

Color	Source	
G. Y.	Seeded from	21079-D
O. Y.	" "	21079-D
O. Y.	" "	19183-B
O. Y.	" "	19183-B
O. Y.	" "	21079-L
BL.	" "	23311-B
BL.	" "	23311-B
S. Y.	" "	17269-E
S. Y.	" "	17269-E
BL.	" "	17852-D
BL.	" "	17852-G
BL.	" "	18259
BL.	" "	18259
O. Y.	" "	22874
O. Y.	" "	22874
S. Y.	" "	22406
S. Y.	" "	22406
BL.	" "	22899
BL.	" "	22899
BL.	" "	22407

No.	Crop	Date	Plant or Seed
3768	Loy bean	1909	Plant
3769	"	"	"
3770	"	"	"
3771	"	"	"
3772	"	"	"
3773	"	"	"
3774	"	"	"
3775	"	"	"
3776	"	"	"
3777	"	"	"
3778	"	"	"
3779	"	"	"
3780	"	"	"
3781	"	"	"
3782	"	"	"
3783	"	"	"
3784	"	"	"
3785	"	"	"
3786	"	"	"
3787	"	"	"

Color

Source

S. Y.	Seeded from	22407
Bl.	" "	22407
Bl.	" "	22407
Bl.	" "	22407
O. Y.	" "	17263
O. Y.	" "	17263
Bl.	" "	19184
O. Y.	" "	23297-B
S. Y.	" "	22921
S. Y.	" "	22921
O. Y.	" "	1856
O. Y.	" "	1856
S. Y.	" "	22379
S. Y.	" "	22379
S. Y.	" "	22880-A
S. Y.	" "	16789-A
Gr.	" "	20854
S. to O. Y.	" "	19985
O. Y. & Bl.	" "	19985
O. Y.	" "	17262

No.	Crop	Date	Plant or Seed
3788	Soybeans	1909	Plant
3789	"	"	"
3790	"	"	"
3791	"	"	"
3792	"	"	"
3793	"	"	"
3794	"	"	"
3795	"	"	"
3796	"	"	"
3797	"	"	"
3798	"	"	"
3799	"	"	"
3800	—	—	—
5501	"	1910	"
5502	"	"	"
5503	"	"	"
5504	"	"	"
5505	"	"	"
5506	"	"	"
5507	"	"	"

Color	Source	
S. Y.	Seeded from	23297-B
O.Y. & Gr.	"	19184-C
Y. (Cloudy)	"	19184-C
Gr. (Cloudy)	"	21080-N
Gr. (Smoky)	"	21080-N
O. Y.	"	17262-K
O. Y.	"	17262-K
Br.	"	23297-A
O. Y.	"	23389
S. Y.	"	16789-D
S. Y.	"	19982-A
S. Y.	"	19981
O. Y. + Bl.	"	F.C.I. 3391
O. Y.	"	3391
O. Y.	"	3391
Br.	"	3434
Br.	"	3466
21755(F) X 14954 (M)		
21755(F) X 14952 (M)		

No.	Crop	Date	Plant or Seed
5508	Soybean	1910	
5509	"	"	
5510	"	"	
5511	"	"	
5512	"	"	
5513	"	"	
5514	"	"	
5515	"	"	
5516	"	"	
5517	"	"	
5518	"	"	
5519	"	"	
5520	"	"	
5521	"	"	Plant
5522	"	"	"
5523	"	"	"
5524	"	"	"
5525	"	"	"
5526	"	"	"
5527	"	"	"

Color Source

17251 (F) x 14952 (M)

21755 (F) x 17267 (M)

21755 (F) x 17269 (M)

21755 (F) x 21999 ♂ (M)

21755 (F) x 17271 (M)

21755 (F) x 14952 (M)

21755 (F) x 21999 ♂ (M)

17267 (F) x 17852 (M)

21755 (F) x 17271 (M)

17278 (F) x 21755 (M)

21079A (F) x 17252 (M)

21755 (F) x 21999 ♂ (M)

21755 (F) x 14954 (M)

Gr. Seeded from F.C.I. 3386

S. Y. " " " "

O. Y. " " " "

O. Y. & A. " " " "

O. Y. " " " "

O. Y. " " " "

S. Y. & B. " " " "

No.	Crop	Date	Plant or Seed
5528	Soy bean	1910	Plant
5529	"	1910	"
5530	"	"	"
5531	"	"	"
5532	"	"	"
5533	"	"	"
5534	"	"	"
5535	"	"	"
5536	"	"	"
5537	"	"	"
5538	"	"	"
5539	"	"	"
5540	"	"	"
5541	"	"	"
5542	"	"	"
5543	"	"	"
5544	"	"	"
5545	"	"	"
5546	"	"	"
5547	"	"	"

Color	Source		
O. Y.	Seeded from FCB-3 353		
S. Y.	"	"	3353
S. Y.	"	"	3353
S. Y.	"	"	3353
O. Y.	"	"	3353
S. Y.	"	"	3353
S. Y.	"	"	3408
Bl. & Y.	"	"	3408
S. Y.	"	"	3408
S. Y. & Bl.	"	"	3408
S. Y. & Bl.	"	"	3408
S. Y. & Bl.	"	"	3408
S. Y. & Bl.	"	"	3408
O. Y.	"	"	3793
—	"	"	3793
Br.	"	"	3793
O. Y.	"	"	3793
Buff	"	"	3325
Buff	"	"	3325
Olive	"	"	3325

No.	Crop	Date	Plant or Seed
5548	Soybean	1910	Plant
5549	"	"	"
5550	"	"	"
5551	"	"	"
5552	"	"	"
5553	"	"	"
5554	"	"	"
5555	"	"	"
5556	"	"	"
5557	"	"	"
5558	"	"	"
5559	"	"	"
5560	"	"	"
5561	"	"	"
5562	"	"	"
5563	"	"	"
5564	"	"	"
5565	"	"	"
5566	"	"	"
5567	"	"	"

Color

Source

S. Y.	Seeded from F.C.I.	3713
S. Y.	" "	3713
S. Y.	" "	3713
S. Y.	" "	3336
S. Y.	" "	3336
O. Y. & Br.	" "	3336
S. Y.	" "	3336
S. Y.	" "	3341
O. Y.	" "	3341
O. Y.	" "	3341
O. Y.	" "	3332
S. Y.	" "	3332
O. Y.	" "	3332
O. Y.	" "	3332
O. Y. & Br.	" "	3332
S. Y.	" "	3332
Bl.	" "	3323
Br.	" "	3323
O. Y.	" "	3323
S. Y. & Br. & Bl.	" "	3428

No.	Crop	date	Plant or Seed
5568	Soybean	1910	Plant
5569	"	"	"
5570	"	"	"
5571	"	"	"
5572	"	"	"
5573	"	"	"
5574	"	"	"
5575	"	"	"
5576	"	"	"
5577	"	"	"
5578	"	"	"
5579	"	"	"
5580	"	"	"
5581	"	"	"
5582	"	"	"
5583	"	"	"
5584	"	"	"
5585	"	"	"
5586	"	"	"
5587	"	"	"

Color	Source	
S.Y. & Br.	Seeded from F.C.I. 3428	
S.Y. & Bl.	"	3428
S.Y. & Br.	"	3428
S.Y., Bl. & Br.	"	3412
Br.	"	3451
S.Y. & Br.	"	3451
Bl. & Br.	"	3334
Bl. & Br.	"	3334
—	"	3474
S. Y.	"	3474
Br.	"	3474
S. Y.	"	3474
S. Y.	"	3450
Bl.	"	3630
O.	"	3630
S. to O. Y.	"	3612
Red Br.	"	3612
Bl.	"	3612
Br.	"	3612
O. Y. & Bl.	"	3612

No	Crop	Date	Plant or seed
5588	Soybean	1910	Plant
5589	"	"	"
5590	"	"	"
5591	"	"	"
5592	"	"	"
5593	"	"	"
5594	"	"	"
5595	"	"	"
5596	"	"	"
5597	"	"	"
5598	"	"	"
5599	"	"	"
5600	"	"	"
5601	"	"	"
5602	"	"	"
5603	"	"	"
5604	"	"	"
5605	"	"	"
5606	"	"	"
5607	"	"	"

Color	Source		
Bl.	Seeded from F.C.I.		3612
Br.	"	"	3612
Bl.	"	"	3612
Br.	"	"	3474
O.Y.	"	"	3774
O.Y.	"	"	3774
Bl.	"	"	3774
S.Y.	"	"	3491
O.Y. & Bl.	"	"	3491
O.	"	"	3325
O.Y.	"	"	3325
Br.	"	"	3768
S.Y.	"	"	3768
Bl.	"	"	3768
Bl.	"	"	3768
O.Y. & Br.	"	"	3499
O.Y. & Br.	"	"	3499
O.Y.	"	"	3499
O.Y.	"	"	3499
O.Y. & Br.	"	"	3499

No.	Crop	Date	Plant or Seed
5608	Soybean	1910	Plant
5609	"	"	"
5610	"	"	"
5611	"	"	"
5612	"	"	"
5613	"	"	"
5614	"	"	"
5615	"	"	"
5616	"	"	"
5617	"	"	"
5618	"	"	"
5619	"	"	"
5620	"	"	"
5621	"	"	"
5622	"	"	"
5623	"	"	"
5624	"	"	"
5625	"	"	"
5626	"	"	"
5627	"	"	"

Color	Source	
D.Y. & Br.	Seeded from F.C.I. 3499	
Bl.	"	3634
O.	"	3634
S. Y.	"	3634
D.Y. & Br.	"	3634
Bl.	"	3634
O.	"	3634
Bl. & O.	"	3633
S. Y.	"	3637
Bl. & O.	"	3637
Red Br.	"	3637
Bl.	"	3613
Bl.	"	3613
Bl.	"	3613
Bl.	"	3617
S. Y.	"	3617
D.Y. & Br.	"	3617
D.Y. & Bl.	"	3617
Bl.	"	3617
S. Y.	"	3617

No.	Crop	Date	Plant or Seed
5628	Soybean	1910	Plant
5629	"	"	"
5630	"	"	"
5631	"	"	"
5632	"	"	"
5633	"	"	"
5634	"	"	"
5635	"	"	"
5636	"	"	"
5637	"	"	"
5638	"	"	"
5639	"	"	"
5640	"	"	"
5641	"	"	"
5642	"	"	"
5643	"	"	"
5644	"	"	"
5645	"	"	"
5646	"	"	"
5647	"	"	"

Color	Source		
O.Y.	Seeded from F.C. 3639		
Br.	"	"	3637
Bl.	"	"	3639
O.Y. & Bl.	"	"	3639
O.Y. & Br.	"	"	3335
O.Y. & Br.	"	"	3378
O.Y.	"	"	3303
Bl.	"	"	3303
Br. & Bl.	"	"	3315
S.Y. & Br.	"	"	3335
O.Y. & Br.	"	"	3327
O.	"	"	3327
Br.	"	"	3327
O.Y.	"	"	3327
S.Y.	"	"	3327
O.Y.	"	"	3346
S.Y.	"	"	3326
O.Y. & Br.	"	"	3346
O.Y.	"	"	3346
S.Y. & Br.	"	"	3370

No.	Crop	Date	Plant or Seed	
5648	Soybean	1910	Plant	
5649	"	"	"	
5650	"	"	"	
5651	"	"	"	
5652	"	"	"	
5653	"	"	"	
5654	"	"	"	
5655	"	"	"	
5656	"	"	"	
5657	"	"	"	
5658	"	"	"	
5659	"	"	"	
5660	"	"	"	
5661	"	"	"	
5662	"	"	"	
5663	"	"	"	
5664	"	"	"	
5665	Comfed ¹³⁵	1912	.	
5666	"	1912		
5667	"	1912		

Color

Source

S.Y.	Seeded from F.C.I.	3327
O.Y.	" "	3307
Bl.	" "	3307
Br.	" "	3709
Bl.	" "	3709
S.Y.	" "	3709
Br.	" "	3709
S.Y. & Bl.	" "	3454
Bl. & Br.	" "	3454
Br. & Bl.	" "	3454
S.Y.	" "	3319
S.Y. & Bl.	" "	0851
S.Y. & Br.	" "	0851
O.Y. & Bl.	" "	0851
S.Y. & Bl.	" "	0851
S.Y. & Br.	" "	0851
S.Y. & Bl.	" "	0851

22888 (F1) (Calyang) X 25088^(M) (Early Red)

do

do

No.	Crop	Date	Plant or Seed
5668	Compea ¹³⁵	1912	
5669	"	1912	
5670	"	1912	
5671	"	1912	
5672	"	1912	
5673	"	"	
5674	"	"	
5675	"	"	
5676	"	"	
5677	"	"	
5678	" ²¹⁶	"	
5679	"	"	
5680	"	"	
5681	"	"	
5682	"	"	
5683	"	"	
5684	"	"	
5685	"	"	
5686	Soybean	1911	
5687	"	"	

Color

Source

(F) 22888 (Catyang) X (M) 25088 (Early Red)

Do

Do

Do

Do

Do

Do

Do

Do

Do

(F) 29267 (Gardlong) X (M) 32862 (Gruit)

Do

Do

Do

Do

Do

Do

Do

17275 (M) X 17861 (F)

Do

No.	Crop	Date	Plant or Seed
5688	Compea	1912	
5689	"	"	
5690	"	"	
5691	"	"	
5692	"	"	
5693	"	"	
5694	Soybean	"	
5695	Compea	"	
5696	Soybean	"	
5697	Compea	"	
5698	"	"	
5699	Soybean	"	
5700	"	"	
7201	Compea	"	
7202	"	"	
7203	"	"	
7204	"	"	
7205	"	"	
7206	"	"	
7207	"	"	

Color

Source

29267(F) Yardlong x 32862(M) Groat

do

do

do

do

do

22876(M) x 17261 (F)

29267(F) x 32861 (A)

22876(M) x 17261 (F)

29267(F) x 32861 (M)

do

22876 (M) x 17261 (F)

do

33439(F) New Era x 25088(M) ^{Early} Red

do

do

do

do

do

do

No.	Crop	Date	Plant or Seed
7208	Compea	1912	
7209	"	"	
7210	"	"	
7211	"	"	
7212	"	"	
7213	"	"	
7214	"	"	
7215	"	"	
7216	"	"	
7217	"	"	
7218	"	"	
7219	"	"	
7220	"	"	
7221	"	"	
7222	"	"	
7223	"	"	
7224	"	"	
7225	"	"	
7226	"	"	
7227	"	"	

Color

Source

(F) 33439 (New Era) x (M) 25288 (Early Red)

do

do

do

do

do

do

do

do

(F) 29267 (Yardlong) x (M) 32861 (Iron)

do

do

do

do

do

do

do

do

(F) 29282 (Early Buff) x (M) 22888 (Catjang)

do

No.	Crop	Date	Plant or Seed
7228	Cowpea	1912	
7229	"	"	
7230	"	"	
7231	"	"	
7232	"	"	
7233	"	"	
7234	"	"	
7235	"	"	
7236	"	"	
7237	"	"	
7238	"	"	
7239	"	"	
7240	"	"	
7241	"	"	
7242	"	"	
7243	"	"	
7244	"	"	
7245	"	"	
7246	"	"	
7247	"	"	

Color

Source

(F) 29282 (Early Buff) x 22888 (Catyang) (M)

do

do

do

do

do

do

do

do

(F) 29282 (Early Buff) x 32861 (Iron) (M)

do

do

do

do

do

do

do

(F) 29282 (Early Buff) x 32887 (Brabham) (M)

do

do

No.	Crop	Date	Plant or Seed
7248	Cowpea	1912	
7249	"	"	
7250	"	"	
7251	"	"	
7252	"	"	
7253	"	"	
7254	"	"	
7255	"	"	
7256	"	"	
7257	"	"	
7258	"	"	
7259	"	"	
7260	"	"	
7261	"	"	
7262	"	"	
7263	"	"	
7264	"	"	
7265	"	"	
7266	"	"	
7267	"	"	

Color

Source

(F)

(M)

29282 (Early Buff) X 32887 (Brabham)

do

do

(F)

(M)

29282 (Early Buff) X 25088 (Early Red)

do

do

do

do

do

do

do

do

do

do

(F)

(M)

29267 (Yaralong) X 32862 (Groit)

do

do

do

do

do

No.	Crop	Date	Plant Seed
7268	Compea	1912	
7269	"	"	
7270	"	"	
7271	"	"	
7272	"	"	
7273	"	"	
7274	"	"	
7275	Sudan Grass	"	Single seed
7276	"	"	"
7277	"	"	"
7278	Compea	"	
7279	"	"	
7280	"	"	
7281	"	"	
7282	"	"	
7283	"	"	
7284	"	"	
7285	"	"	
7286	"	"	
7287	"	"	

Color

Source

F (M)
29267 (Yardlong) x 32862 (Groit)

Do

Do

(F) (M)
32887 (Brabham) x 29282 (Early Buff)

Do

Do

Do

Sudan Grass (F) x Johnsons (M)

Do

Do

(F) (M)
32862 (Groit) x 32887 (Brabham)

Do

Do

Do

Do

Do

Do

(F) (M)
29282 (Early Buff) x 29024 (Conch)

Do

Do

No	Crop	Date	Plant or Seed
7288	Compea	1912	
7289	"	"	
7290	"	"	
7291	"	"	
7292	"	"	
7293	"	"	
7294	"	"	
7295	"	"	
7296	"	"	
7297	"	"	
7298	"	"	
7299	"	"	
7300	"	"	
7301	"	"	
7302	"	"	
7303	"	"	
7304	"	"	
7305	"	"	
7306	"	"	
7307	"	"	

Color

Source

(F) (M)
29282 (Early Buff) x 29024 (Conch)

Do

Do

(F) (M)
29267 (Yardlong) x 29282 (Early Buff)

Do

Do

Do

Do

(F) (M)
29282 (Early Buff) x 25088 (Early Red)

Do

Do

Do

Do

(F) (M)
32861 (Iron) x 33439 (New Era)

Do

Do

Do

Do

Do

Do

No	Crop	Date	Plant or Seed
7308	Cowpea	1912	
7309	"	"	
7310	"	"	
7312	"	"	
7314	"	"	
7315	"	"	
7316	"	"	
7317	"	"	
7318	"	"	
7319	"	"	
7320	"	"	
7321	"	"	
7322	"	"	
7323	"	"	
7324	"	"	
7325	"	"	
7326	"	"	
7327	"	"	
7328	"	"	
7329	"	"	

Color

Source

(F) (M)
32861 (Iron) x 33439 (New Era)

do

do

do

do

(F) (M)
29282 (Early Buff) x 22888 (Catfing)

do

do

do

do

(F) (M)
29282 (Early Buff) x 32887 (Brabham)
(F) (M)
33439 (New Era) x 25088 (Early Red)

do

do

do

do

do

do

do

do

No.	Crop	Date	Plant or Seed
7330	Cowpea	1912	
7331	"	"	
7332	"	"	
7333	"	"	
7334	"	"	
7335	"	"	
7336	"	"	
7337	"	"	
7338	"	"	
7339	"	"	
7340	"	"	
7341	"	"	
7342	"	"	
7343	"	"	
7344	"	"	
7345	"	"	
7346	"	"	
7347	"	"	
7348	"	"	
7349	"	"	

Color

Source

(F) (M)
33438 (New Era) X 25088 (Early Red)

29267 (F) X 32861 (M)

do

(M) *sinensis*

29282 (F) X 29262 (Blackeye)

do

do

do

do

do

do

do

do

do

(F) (M)
32861 (Iron) X 33439 (New Era)

do

do

do

do

do

do

No	Crop	Date	Plant or Seed
7350	Cowpea	1912	
7351	"	"	
7352	"	"	
7353	"	"	
7354	"	"	
7355	"	"	
7356	"	"	
7357	"	"	
7358	"	"	
7359	"	"	
7360	"	"	
7361	"	"	
7362	"	"	
7363	"	"	
7364	"	"	
7365	"	"	
7366	"	"	
7367	"	"	
7368	"	"	
7369	"	"	

Color

Source

(F) (M)
 32861 (Iron) x 33439 (New Era)
 (F) (M)
 29282 (Early Buff) x 22888 (Catyang)

do

do

do

do

do

do

(F) (M)
 29282 (Early Buff) x 33439 (New Era)

do

do

do

do

do

do

(F) (M)
 32861 (Iron) x 33439 (New Era)

do

do

do

do

No.	Crop	Date	Plant or Seed
7370	Cowpea	1912	
7371	"	"	
7372	"	"	
7373	"	"	
7374	"	"	
7375	"	"	
7376	"	"	
7377	"	"	
7378	"	"	
7379	"	"	
7380	"	"	
7381	"	"	
7382	"	"	
7383	"	"	
7384	"	"	
7385	"	"	
7386	"	"	
7387	"	"	
7388	"	"	
7389	"	"	

Color

Source

(F) (M)
32861 (Iron) x 33439 (New Era)

do

do

do

do

do

do

32861 (F) x 33439 (M)

do

(F) (M)
29282 (Early Buff) x 29281 (Buff + White)

do

do

do

do

do

do

do

do

do

do

No.	Crop	Date	Plant or Seed
7390	Cowpea	1912	
7391	"	"	
7392	"	"	
7393	"	"	
7394	"	"	
7395	"	"	
7396	"	"	
7397	"	"	
7398	"	"	
7399	"	"	
7400	"	"	
7401	"	"	
7402	"	"	
7403	"	"	
7404	"	"	
7405	"	"	
7406	"	"	
7407	"	"	
7408	"	"	
7409	"	"	

Color

Source

(F) (M)
 29282 (Early Buff) x 29281 (Buff + White)
 (F) (M)
 27502 (Catjang) x 32862 (Groit)

Do

Do

Do

Do

(F) (M)
 29024 (Conch) x 29282 (Early Buff)

Do

Do

Do

Do

(F) (M)
 33439 (New Era) x 25088 (Early Red)

Do

Do

Do

Do

Do

Do

(F) (M)
 29024 (Conch) x 29282 (Early Buff)

Do

No.	Crop	Date	Plant or Seed
-----	------	------	---------------------

7410	Compea	1912	
------	--------	------	--

7411	"	"	
------	---	---	--

7412	"	"	
------	---	---	--

7413	"	"	
------	---	---	--

7414	"	"	
------	---	---	--

7415	"	"	
------	---	---	--

7416	"	"	
------	---	---	--

7417	"	"	
------	---	---	--

7418	"	"	
------	---	---	--

7419	"	"	
------	---	---	--

7420	"	"	
------	---	---	--

7421	"	"	
------	---	---	--

7422	"	"	
------	---	---	--

7423	"	"	
------	---	---	--

7424	"	"	
------	---	---	--

7425	"	"	
------	---	---	--

7426	"	"	
------	---	---	--

7427	"	"	
------	---	---	--

7428	"	"	
------	---	---	--

7429	"	"	
------	---	---	--

Color

Source

(F)

(M)

29024 (Pink) x 29282 (Early Buff)

do

do

do

do

(F)

(M)

22888 (Catyang) x 29292 (Black)

do

do

do

do

do

do

(F)

(M)

29282 (Early Buff) x 22888 (Catyang)

do

do

do.

do

do

(F)

(F)

29282 (Early Buff) x 32862 (Grnt)

do

No.	Crop	Date	Plant or Seed
7430	Cowpea	1912	
7431	Soybean	"	
7432	"	"	
7433	"	"	
7434	"	"	
7435	"	"	
7436	"	"	
7437	"	"	
7438	"	"	
7439	"	"	
7440	"	"	
7441	"	"	
7442	Sudangrass	"	
7443	" "	"	
7444	" "	"	
7445	" "	"	
7446	" "	"	
7447	" "	"	
7448	" "	"	
7449	" "	"	

Color

Source

(F) (F)
 29282 (Early Buff) x 32862 (Brit)
 (F) (F)
 17261 (Guelph) x 22876 (Smooth Yellow)

Do

Do

(F) (M)
 21755 (German) x 32907 (Peking)

Do

Do

21755 (F) x 17261 (M)

21755 (F) x 32907 (M)

Do

Do

Do

Out of 25017-5, Arlington

Do

Do

Do

Do

Do

Do

Out of 25017-5, Arl. Farm

No.	Crop	Date	Plant or Seed
7450	Sudan Grass	1912	
7451	" "	"	
7452	" "	"	
7453	" "	"	
7454	" "	"	
7455	" "	"	
7456	" "	"	
7457	" "	"	
7458	" "	"	
7459	" "	"	
7460	" "	"	
7461	" "	"	
7462	" "	"	
7463	" "	"	
7464	" "	"	
7465	" "	"	
7466	" "	"	
7467	" "	"	
7468	" "	"	
7469	" "	"	

Color

Source

Out of 25017-5, Arl. Farm

" " 25017-39 " "

do

do

do

do

do

do

do

do

do

do

do

do

do

Out of 25017-38, Arlington

do

do

do

do

No.	Crop	Date	Plant or Seed
7470	Sudan grass	1912	
7471	Tunis grass	"	
7472	" "	"	
7473	" "	"	
7474	" "	"	
7475	" "	"	
7476	" "	"	
7477	" "	"	
7478	Cowpea	1919	
7479	"	"	
7480	"	"	
7481	Soy bean	1916	
7482	"	"	
7483	"	"	
7484	"	"	
7485	"	"	
7486	"	"	
7487	"	"	
7488	"	"	
7489	"	"	

Color

Source

Out of 25017-38 Arlington

" " 26301 " Arlington

" " 26301 " (Farm

do

do

do

do

do

2751 (Groat) x 2748 (Early Penn's Bleye)

do

do

38216 (Smooth Yellow) x 32907 (Peking)

do

do

do

(F)

(M)

38216 (Smooth Yellow) x 32907 (Peking)

do

do

38216 (Sm. Yel.) x 32906 (Virginia)

do

No.	Crop	Date	Plant or Seed
7490	Soybean	1916	
7491	"	"	
7492	"	"	
7493	"	"	
7494	"	"	
7495	"	"	
7496	"	"	
7497	"	"	
7498	"	"	
7499	"	"	
7500	"	"	
7501	"	"	
7502	"	"	
7503	"	"	
7504	Compea	1919	
7505	"	"	
7506	"	"	
7507	"	"	
7508	"	"	
7509	"	"	

Color

Source

38216 (Sm. Yel.) x 32906 (Virginia)

Do

(F) 38216 (Sm. Yel.) x 17264 (Tokio) (M)

Do

38216 (Sm. Yel.) x 32906 (Virginia)

Do

Do

(F) 38216 (Sm. Yel.) x 32906 (Virginia) (M)

Do

Do

(F) 38216 (Sm. Yel.) x 17271 (Haberlandt) (M)

Do

(F) 17271 (Haberlandt) x 38216 (Sm. Yel.) (M)

Do

02464 (Large Black) grown in G.H.
for hybridizing

02458 (Large Black)

Do.

02465 (400a. Bl. eye)

Do

02462 (Sm. early Black)

Do

45795 (Bl. Yawling)

Do

Do

No.	Crop	Date	Plant or Seed
510	Cowpea	1919	
511	"	"	
512	Soybean	"	
513	"	"	
514	"	"	
515	"	"	
516	"	"	
517	"	"	
518	Vigna	"	
519	"	"	
520	V. luteola	"	
521	"	"	
522	"	"	
523	"	"	
524	V. lutea	"	
525	" "	"	
526	" "	"	
527	" "	"	
528	V. sinensis	"	
529	Cowpea	"	

Color

Source

45795 (Bl. yellow) grown in G.H. for hybridizing

Do

Biloxi grown in G.H. for hybridizing

Do

Do

Do

Do

Do

01657 grown in G.H. for hybridizing

Do

01656

Do

Do

Do

Do

31606

Do

Do

Do

Do

01953

Do

(F)

(M)

Mam. Bl Eye (02409) x Early Buff (G.H. grown)

- 2747-1

No.	Crop	Date	Plant or Seed
530	Cow pea	1919	
531	"	"	
532	"	"	
533	"	"	
534	"	"	
535	"	"	
536	"	"	
537	"	"	
538	"	"	
539	"	"	
540	"	"	
541	"	"	
542	"	"	
543	"	"	
544	"	"	
545	"	"	
546	"	"	
547	" (2749-9)	"	
548	"	"	
549	"	"	

Color

Source

(F)

(M)

Mam. Bl. eye (02408) x Early Buff (G.H. Brown) - 2747-1

do

do

do

do

(F)

(M)

Early Buff x Mammoth Blackeye (02408)

do

do

do

do

do (2750-23)

do

do

do

do

do

do

Ext. Ear. Bl. eye (02396) x Early Buff G.H.

do

do

No.	Crop	Date	Plant in seed
7550	Compea	1919	✓
7551	"	"	✓
7552	"	"	✓
7553	"	"	✓
7554	"	"	
7555	"	"	
7556	"	"	
7557	"	"	
7558	"	"	
7559	"	"	
7560	"	"	
7561	"	"	
7562	"	"	
7563	"	"	
7564	"	"	
7565	"	"	
7566	"	"	
7567	"	"	
7568	"	"	
7569	"	"	

Color

Source

Ext. Early Bl. eye (12396) x Early Buff, G. #.

do

do

do

do

do

do

Ext. En. Bl. eye x Early Buff G. #.

do

do

Early Ramehorn Bl. eye x Early Buff G. #.
(2748-14)

do

do (2748-15)

do

do

do

do

do

Early Buff x G. roit 2750-28

do

No.	Crop	Date	Plant or Seed
7570	Cowpea	1919	
7571	"	"	
7572	"	"	
7573	"	"	
7574	"	"	
7575	"	"	
7576	"	"	
7577	"	"	
7578	"	"	
7579	"	"	
7580	"	"	
7581	"	"	
7582	"	"	
7583	"	"	
7584	"	"	
7585	"	"	
7586	"	"	
7587	"	"	
7588	"	"	
7589	"	"	

Color

Source

Early Buff x Grit 2750-28

do

do

do

do

Grit (2751) x Ear. Ransom Beye (2748)

do

do

do

do

do

Grit (2751) x Early Ransom Beye

do

do

do

do

do

do

do

do

No.	Crop	Date	Plant or Seed
7590	Cowpea	1919	
7591	"	"	
7592	"	"	
7593	"	"	
7594	"	"	
7595	"	"	
7596	"	"	
7597	"	"	
7598	"	"	
7599	"	"	
1001	"	"	
1002	"	"	
1003	"	"	
1004	"	"	
1005	"	"	
1006	"	"	
1007	"	"	
1008	"	"	
1009	"	"	
1010	"	"	

Color

Source

Groit (2751) x Car. Ranshorn Bleye

do

Groit (2751) Car. Ranshorn Bleye (2748)

do

do

do

do

do

do

do

do

do

do

do

do

Groit (2751) Ext. Car. Bleye (2749)

do

do

Groit (2751) x Car. Ranshorn Bleye (2748)

do

No	Crop	Date	Plant or Seed
11011	Compea	1919	
11012	"	"	
11013	"	"	
11014	"	"	
11015	"	"	
11016	"	"	
11017	"	"	
11018	"	"	
11019	"	"	
11020	"	"	
11021	"	"	
11022	"	"	
11023	"	"	
11024	"	"	
11025	"	"	
11026	"	"	
11027	"	"	
11028	"	"	
11029	"	"	
11030	"	"	

Color

Source

Grit (2751) X Ear. Random Blegs (2248)

do

do

do

do

do

do

do

do

do

do

do

do

do

do

Main. Blegs (2747) X Buff Catfing (2770)

do

do

do

do

No.	Crop	Date	Plant or Seed
11031	Cowpea	1919	
11032	"	"	
11033	"	"	
11034	"	"	
11035	"	"	
11036	"	"	
11037	"	"	
11038	"	"	
11039	"	"	
11040	"	"	
11041	"	"	
11042	"	"	
11043	"	"	
11044	"	"	
11045	"	"	
11046	"	"	
11047	"	"	
11048	"	"	
11049	"	"	
11050	"	"	

Color

Source

Main. Beye (2747) x Buff Catyang (2770)

do

do

do

do

do

do

do

Ext. Early Beye (2748) x Grit (2751)

do

do

do

do

do

do

Buff Catyang (2771) x Main. Beye (2747)

do

do

Ear. Hamelton Bl. eye (2748) x Buff Catyang (2770)

do

No.	Crop	Date	Plant or Seed
11051	Cowpea	1919	
11052	"	"	
11053	"	"	
11054	"	"	
11055	"	"	
11056	"	"	
11057	"	"	
11058	"	"	
11059	"	"	
11060	"	"	
11061	"	"	
11062	"	"	
11063	"	"	
11064	"	"	
11065	"	"	
11066	"	"	
11067	"	"	
11068	"	"	
11069	"	"	
11070	"	"	

Color

Source

Early Ramshorn Bleye (2748) x Buff Catyang (2771)
 Buff Catyang x Early Ramshorn Bl. eye (2748)
 do

Ext. Early Bl. eye (2749) x Buff Catyang⁽²⁷⁷¹⁾
 do
 do

Cal. Bl. eye (2778) x Buff Catyang (2771)
 do
 do
 do
 do
 do
 do
 do
 do
 do

Cream (2775) x broit (2751)
 do
 do
 do

No.	Crop	Date	Plant or Seed
11071	Cowpea	1919	
11072	"	"	
11073	"	"	
11074	"	"	
11075	"	"	
11076	"	"	
11077	"	"	
11078	"	"	
11079	"	"	
11080	"	"	
11081	"	"	
11082	"	"	
11083	"	"	
11084	"	"	
11085	"	"	
11086	"	"	
11087	"	"	
11088	"	"	
11089	"	"	
11090	"	"	

Color

Source

Cream (27751) x Groat (27511)

Ext. Early Bl. eye (27491) x Buff Catjang (2770)

Do

Do

Do

Do

Do

Do

Do

Do

Do

Early Ramshorn Bl. eye (27481) x Groat (27511)

Do

Do

Do

Do

Do

Do

Do

Do

No.	Crop	Date	Plant or Seed
11091	Compea	1919	
11092	"	"	
11093	"	"	
11094	"	"	
11095	"	"	
11096	"	"	
11097	"	"	
11098	"	"	
11099	"	"	
11100	"	"	
11101	"	"	
11102	"	"	
11103	"	"	
11104	"	"	
11105	"	"	
11106	"	"	
11107	"	"	
11108	"	"	
11109	"	"	
11110	"	"	

Color

Source

Early Random Blye (2746) x Grit (2751)

Do

Buff Catyang (2771) x Mam. Blye (2747)

Do

Do

Do

Do

Do

Do

Do

Do

Do

Buff Catyang (2771) x Early Random Blye (2746)

Do

Do

Do

Do

Do

(2778)
Buff Catyang x Calif Blye (2778)

Do

No.	Crop	Date	Plant or Seed
11111	Compea	1919	
11112	"	"	
11113	"	"	
11114	"	"	
11115	"	"	
11116	"	"	
11117	"	"	
11118	"	"	
11119	"	"	
11120	"	"	
11121	"	"	
11122	"	"	
11123	"	"	
11124	"	"	
11125	"	"	
11126	"	"	
11127	"	"	
11128	"	"	
11129	"	"	
11130	"	"	

Color

Source

Buff Catjang (2770) x Calif. B. eye (2778)

Do

Early Ramshorn B. eye (2748) x Groit (2751)

Do

Do

Do

Do

Do

Do

Cream (2774) x Groit (2751)

Do

Do

Do

Cal. B. eye (2778) x Buff Catjang (2771)

Do

Do

Do

Early Ramshorn B. eye (2748) x Cream (2774)

Do

Buff Catjang (2771) x Cal. B. eye (2777)

No	Crop	Date	Plant or Seed
11139	Cowpea	1919	
11140	"	"	
11141	"	"	
11142	"	"	
11143	"	"	
11144	"	"	
11145	"	"	
11146	"	"	
11147	"	"	
11148	"	"	
11149	"	"	
11150	"	"	
11151	"	"	
11152	"	"	
11153	"	"	
11154	"	"	
11155	"	"	
11156	"	"	
11157	"	"	
11158	"	"	

Color

Source

Cream (2774) x Mammoth Bl. eye (2747)

Cal. Bl. eye (2778) x Buff Catyang (2771)

Do

Do

Do

Do

Do

Buff Catyang (2771) x Early Mammoth Bl. eye (2748)

Do

Do

Ext. Early Bl. eye (2749) x Early Buff (2750)

Do

Do

Do

Do

Do

Early Buff (2750) x Cal. Bl. eye (2777)

Do

Do

Do

No.	Crop	Date	Plant or Seed
11159	Cowpea	1919	
11160	"	"	
11161	"	"	
11162	"	"	
11163	"	"	
11164	"	"	
11165	"	"	
11166	"	"	
11167	"	"	
11168	"	"	
11169	"	"	
11170	"	"	
11171	"	"	
11172	Velvet-Bean	" (2.)	
11173	"	1921	
11174	"	"	
11175	"	"	
11176	"	"	
11177	"	"	
11178	"	"	

Color

Source

Early Buff (2750) x Calif. Bl. eye (2777)

Do

Do

Mammoth Bl. eye (2747) x Early Buff (2750)

Do

Do

Do

Do

Do

Do

Do

Do

Do

♂

Tracy[♀] Early Bl. x 10018-1-18-6-6 Cross #1

♀

♂

Art. F. Tracy[♀] Early Bl. x 10018-1-18-6-6 " #2Art. F. Tracy[♀] Early Bl. x do " #3

..

Do

Cross 4

..

Do

.. 5

..

Do

.. 6

♀

♂

..

Tracy[♀] Early Bl. x 10018-1-18-6-4 " 7

No.	Crop	Date	Plant or Seed
11179	Velvet-bean	1921	
11180	"	"	
11181	"	"	
11182	"	"	
11183	"	"	
11184	"	"	
11185	"	"	
11186	"	"	
11187	"	"	
11188	"	"	
11189	"	"	
11190	"	"	
11191	"	"	
11192	"	"	
11193	"	"	
11194	"	"	
11195	"	"	
11196	"	"	
11197	"	"	
11198	"	1922	

Color Source

	♀	♂	
arl. Farm	Tracy Early Bl.	X 10018-1-18-6-4	Cross 8
"	do		" 9
"	do		" 10
"	do		" 11
"	1531-1-2-9-25	X Tr. Early Bl.	Cross 12
"	do		" 13
"	do		" 14
"	do		" 15
"	10018-1-2-1-11	X Tr. Early Bl.	" 16
"	do		" 17
"	do		" 18
"	do		" 19
"	do		" 20
"	do		" 21
"	do		" 22
"	do		" 23
"	do		" 24
"	do		" 25
"	do		" 26
"	do		" 27

No.	Crop	Date	Plant or Seed
111199	Velvet-Bean	1922	
111200	"	1921	
111201	"	"	
111202	"	"	
111203	"	"	
111204	"	"	
111205	"	"	
111206	"	"	
111207	"	"	
111208	"	"	
111209	"	"	
111210	"	"	
111211	"	"	
111212	"	"	
111213	"	1922	
111214	"	"	
111215	"	"	
111216	"	"	
111217	"	"	
111218	"	"	

Source

Arb. Farm	10018-1-2-1-11	X Tracy Early Bl.	Cross	28
"		Do	"	29
"	1531-1-2-9-24	X Tracy Early Bl.	"	30
"		Do	"	31
"		Do	"	32
"		Do	"	33
"		Do	"	34
"		Do	"	35
"		Do	"	36
"		Do	"	37
"	1532-2-16-11-5	X Tr. E. Black	"	38
"		Do	"	39
"		Do	"	40
"		Do	"	41
F.C.I. selection 1531-3-10-2-1 from Monetta, S.C.				
"	"	1531-3-11-1-1	"	"
"	"	1531-3-11-2-3	"	"
"	"	1531-3-9-1-1	"	"
"	"	1531-3-16-2-3	"	"
"	"	1531-3-30-1-2	"	"

No	Crop	Date	Plant or Seed
11219	Velvet Bean	1922	
11220	"	"	
11221	"	"	
11222	"	"	
11223	"	"	
11224	"	"	
11225	"	"	
11226	"	"	
11227	"	"	
11228	"	"	
11229	"	"	
11230	"	"	
11231	"	"	
11232	"	"	
11233	"	"	
11234	"	"	
11235	"	"	
11236	"	"	
11237	"	"	
11238	"	"	

Color

Source

F.C.1, Selection 1531-3.22-2-2 from Monetta, S.E.

.. 1531-3-9-2-1

.. 1531-3-10-1-3

.. 1531-3-6-2-2

.. 1531-3-10-1-2

.. 1531-3-26-2-2

.. 1531-3-26-3-3

.. 1531-3-18-5-1-1

.. 1531-3-22-2-1

.. 1531-3-7-3-3

.. 1531-4-3-1-1

.. 1531-3-11-2-1

.. 1531-3-16-1-1

.. 1531-3-7-3-1

.. 1531-3-30-1-1

.. 1531-3-18-5-3-1

.. 1531-3-6-1-1

.. 1531-3-7-1-2

.. 1531-3-16-3-2

.. 1531-3-18-5-3-2

No	Crop	Date	Plant or Seed
11239	Velvet-Beans	1922	
11240	"	"	"
11241	"	"	"
11242	"	"	"
11243	"	"	"
11244	"	"	"
11245	"	"	"
11246	"	"	"
11247	"	"	"
11248	"	"	"
11249	"	"	"
11250	"	"	"
11251	"	"	"
11252	"	"	"
11253	"	"	"
11254	"	"	"
11255	"	"	"
11256	"	"	"
11257	"	"	"
11258	"	"	"

Color

Source

F.C.I. Select. 1531-3-26-2-1 from Monetta, S.C.

" 1531-3-22-3-1

"

No	Crop	Date	Plant or Seed
11259			
11260			
11261			
11262			
11263			
11264			
11265			
11266			
11267			
11268			
11269			
11270			
11271			
11272			
11273			
11274			
11275			
11276			
11277			
11278			

Color

Source

No.	Crop	Date	Plant or Seed
-----	------	------	---------------------

11279

11280

11281

11282

11283

11284

11285

11286

11287

11288

11289

11290

11291

11292

11293

11294

11295

11296

11297

11298

Color

Source

No.	Crop	Date	Plant or Seed
11299			
11300			
11301			
11302			
11303			
11304			
11305			
11306			
11307			
11308			
11309			
11310			
11311			
11312			
11313			
11314			
11315			
11316			
11317			
11318			

Color Source

No.	Crop	Date	Plant or Seed
-----	------	------	---------------------

11319

11320

11321

11322

11323

11324

11325

11326

11327

11328

11329

11330

11331

11332

11333

11334

11335

11336

11337

11338

Color

Source

No.	Crop	Date	Plant or Seed
11339			
11340			
11341			
11342			
11343			
11344			
11345			
11346			
11347			
11348			
11349			
11350			
11351			
11352			
11353			
11354			
11355			
11356			
11357			
11358			

Color	Source
Blue	Blue
Green	Green
Yellow	Yellow
Orange	Orange
Red	Red
Purple	Purple
Pink	Pink
White	White
Black	Black

No.	Crop	Date	Plant or Seed
11359			
11360			
11361			
11362			
11363			
11364			
11365			
11366			
11367			
11368			
11369			
11370			
11371			
11372			
11373			
11374			
11375			
11376			
11377			
11378			

Color Source

No	Crop	Date	Plant or Seed
11379			
11379			
11380			
11381			
11382			
11383			
11384			
11385			
11386			
11387			
11388			
11389			
11390			
11391			
11392			
11393			
11394			
11395			
11396			
11397			

Color . . . Source

No.	Crop	Date	Plant or Seed
-----	------	------	---------------------

11398

11399

Color	Source
-------	--------

No.	Crop	Date	Plant or Seed
-----	------	------	---------------------

Color	Source
-------	--------

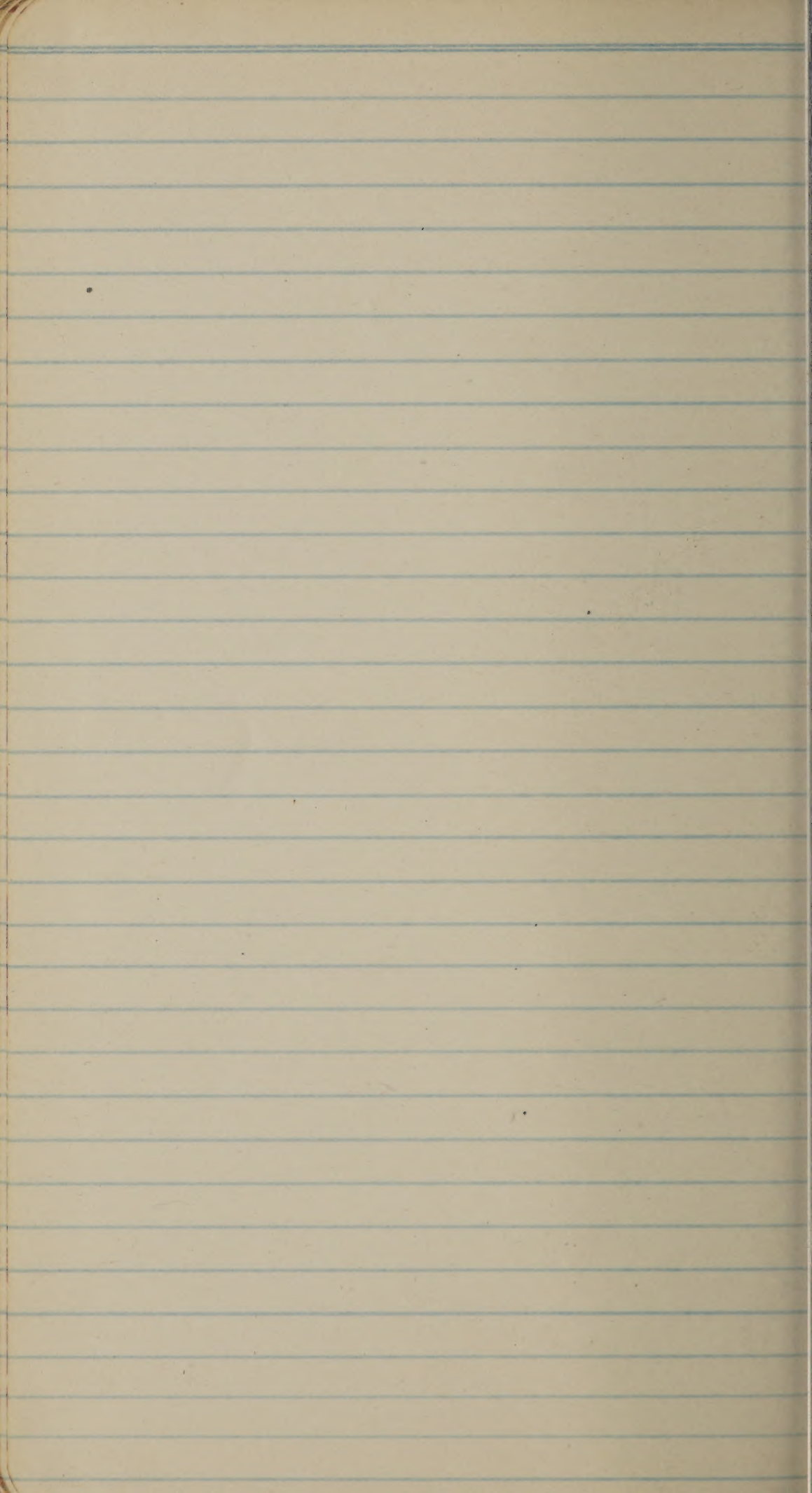
No.	Crop	Date	Plant or Seed
-----	------	------	---------------------

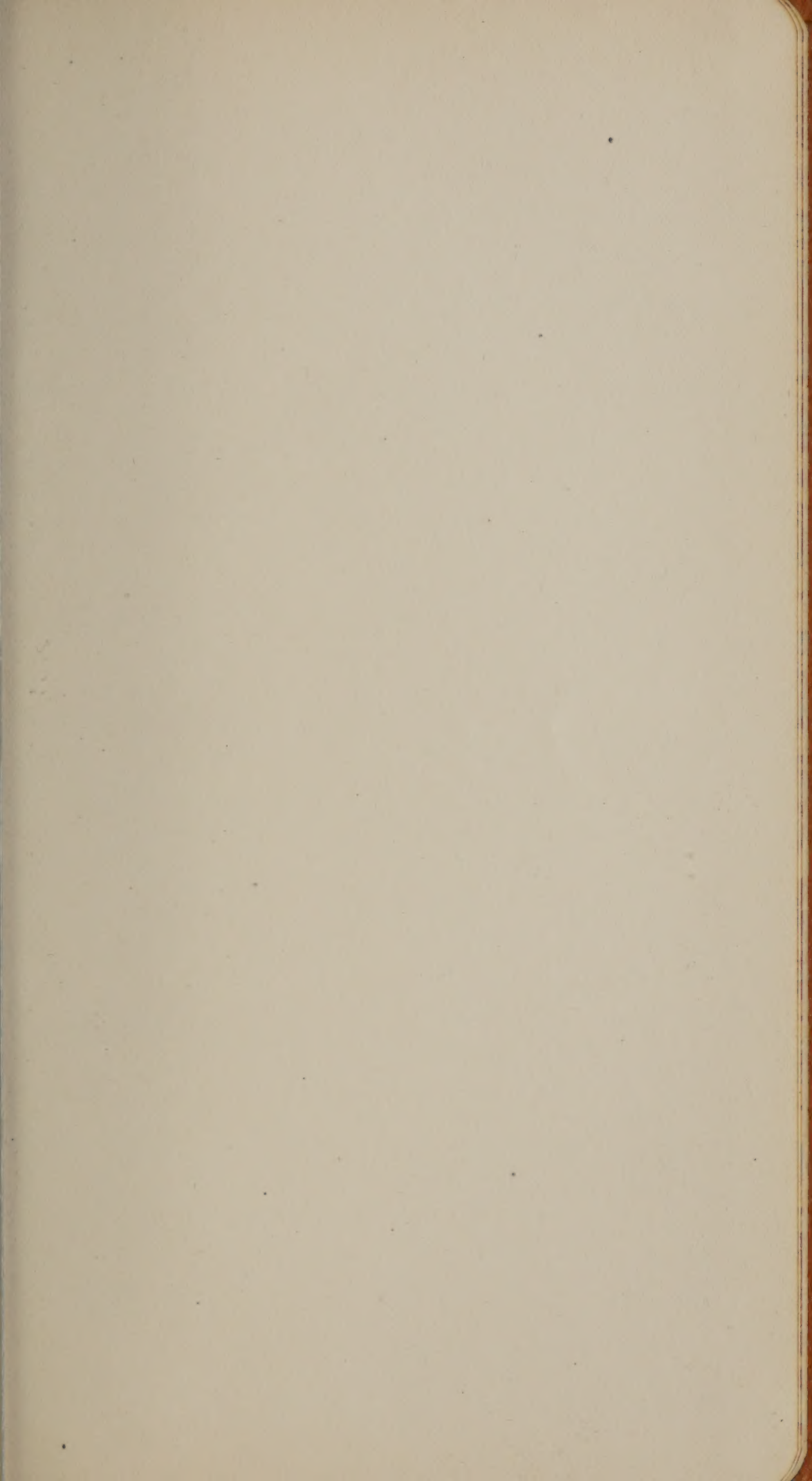
Color

Source

No.	Crop	Date	Plant or Seed
-----	------	------	---------------------

Color Source





**By using this frank no postage is required in returning this
book to the Office of Forage-Crop Investigations.**

**U. S. DEPARTMENT OF AGRICULTURE,
Official Business.**

Penalty for private use to avoid the
payment of postage, \$300.

U. S. DEPARTMENT OF AGRICULTURE,

WASHINGTON, D. C.

BUREAU OF PLANT INDUSTRY.

FORAGE-CROP INVESTIGATIONS.

8—3728

